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BOSTON REDEVELOPMENT AUTHORITY  
GOVERNMENT CENTER PROJECT

Staging Plan of Removal or  
Abandonment of Existing Utility  
Lines to Clear Parcels  
Within the Project Area

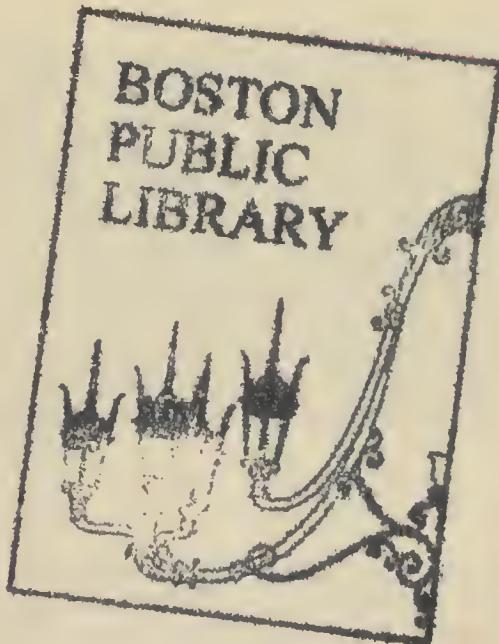
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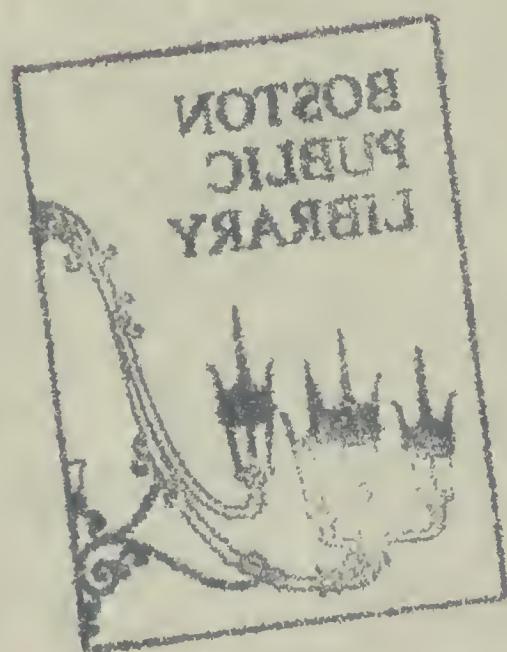
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William A. Fisher Company, Inc.  
Consulting Engineers

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## FOREWORD

### Staging Plan of Removal or Abandonment of Existing Utility Lines to Clear Parcels Within the Project Area

The following report is based upon data and schedules received from private utility companies, utility consultants for the City of Boston, the Boston Redevelopment Authority and the Metropolitan Transit Authority. Much of the data is so conclusive that definite abandonment dates may be determined. However, many utilities are dependent on a prior action by other agencies before final abandonment can be accomplished. It is evident that future decisions and approval of proposed work by the Boston Redevelopment Authority and the City of Boston will be required to initiate final approval of individual utility abandonments.



This report will stage each parcel with its included utilities. It will be seen that many utility abandonments are dependent on action by the City of Boston or the Boston Redevelopment Authority. A definite staging date can only be accomplished on several parcels when these authorities can act on the following: demolition of buildings, the closing of existing streets, and the approval of new streets for the construction of proposed utilities.

### PARCEL 1

#### STATE COMPLEX

The construction date for this parcel is understood to be March 1964. A review of the following utility problems will show that demolition of buildings is a vital issue for clearance. In particular, a five-foot strip inside the present north Cambridge St. property line is needed by the N. E. Telephone & Telegraph Co. for proposed duct construction. The Boston Edison Co. needs a thirty-day period after the existing streets are closed to remove their existing conduits. Disposition of the Langone property is an urgent problem for total parcel clearance.

The following is a resume of data indicating proposed abandonment of existing utilities.

#### Boston Gas Co.

Pipe lines have been abandoned on Hale St. and Norman St. Pitts St. is partially abandoned from Merrimac St. to a point approximately midway between Pitts Court and a private way. Abandonment of lines for the remainder of Pitts St. is subject to the demolition of building 4 and 5, block 126A on Pitts St. Abandonment of lines for Green St. is subject to the Pitts St. clearance and the demolition of Building 1, Block #147. Norman St. lines are abandoned with the exception of a short piece of supply and service coming from Staniford St. and ending about midway of Building 1, Block #124A. Norman St. can be cleared when the school building is demolished. The pipe in Chardon St. between Merrimac St. and Bowker St. will be abandoned subject to relocation in New Chardon St.

#### N. E. Telephone & Telegraph Co.

Telephone conduit has been removed from Norman St. Hale St./, Pitts St. and South Margin St. Conduit in Chardon St. between Merrimac St. and Hawkins St. will be abandoned subject to relocation in New Chardon St. Existing conduit in Green St. will be removed subject to demolition of buildings 1, 2 and 3, Block #147. It is estimated that three months construction time will be needed for the Green St. relocation.



PARCEL 1 (cont.)

Boston Edison Co.

Electrical installations can be removed or abandoned within thirty days after the last service to facilities in the following streets has been discontinued: South Margin St., Norman St., Hale St., Pitts St., and Green St. The conduit in Chardon St. between Hawkins St. and Merrimac St. can be cleared following relocation in New Chardon St.

City of Boston Water

Low service water on Green St., South Margin St., Norman St., Hale St., Staniford Place and Pitts St. can be shut down subject to demolition and the need for a supply to fire hydrants. The abandonment of pipes in Chardon St. between Merrimac St. and Hawkins St., is subject to relocation in New Chardon St.

High service in Green St. and Pitts St. can be closed subject to demolition of existing buildings. The high service line between Hawkins St. and Merrimac St. can be closed subject to relocation in New Chardon St.

City of Boston Sewer

Sewer lines can be abandoned subject to a need for drainage on Pitts St., Hale St. and Green St.

The lines on Norman St. and Margin St. can be abandoned subject to demolition and a need for drainage.

The Chardon St. lines can be abandoned after the proposed lines have been relocated in New Chardon St.

Metropolitan Transit Authority

A power supply line now located in Green St. is being designed for relocation in Staniford St. Construction plans are almost complete, however, no particular date has been set to advertise for bids. It is estimated that two or three weeks will be required for construction.



PARCEL 2

The availability of this parcel depends on relocation or abandonment of existing utilities in Chardon St. between Cambridge St. and Hawkins St.; also the abandonment of existing utilities in Hawkins St. between the Edison Plant and Sudbury St.

Boston Gas Company

It is desirable to hold present service line from Cambridge St. to the telephone building. The line in Hawkins St. has been abandoned.

Boston Edison Co.

There is no electric conduit in Hawkins St. from the Edison Station to Sudbury St. It is desirable to maintain service or relocate service to the N. E. Tel. & Tel. Co. building through an easement located in old Chardon St. from Hawkins St.

N. E. Telephone & Telegraph Co.

The conduit in Hawkins St. between Sudbury St. and Chardon St. will be abandoned after new conduit is operating through the New Sudbury St. lines about August 15, 1963. The conduit in Old Chardon St. is main line cable so it is desirable that an easement be granted to Hawkins St. which would allow a connection to proposed conduits in New Chardon St.

City of Boston Water

Low Service, High Service and High Pressure Fire Service in Chardon St. can be closed down subject to relocation in New Chardon St. In Hawkins St., between the Edison Plant and Sudbury St., the Low Service line is closed; the High Pressure Fire Service is partially closed, with the remainder subject to removal of a fire hydrant; and there is no existing High Service Line.

City of Boston Sewer

The abandonment of existing sewer lines in Chardon St. are subject to relocation in Chardon St. Also the remaining sewer line in Hawkins St. will be replaced with a new sanitary sewer. It is proposed to service the telephone company building through an easement from Hawkins St.



PARCEL 3

Existing utilities of gas, telephone, electricity, sewer and water in Chardon St. will be abandoned after relocation in New Chardon St. The demolition of building 7, Block 131, will complete clearance of this parcel.

PARCEL 4

PARKING GARAGE

The construction date for the garage is considered for sometime in the last half of 1964. Clearance of utilities should create no problem when foundation plans can be presented to show the underground outline of the building and it may be assumed that New Merrimac St. will be accepted for relocated utilities.

Boston Gas Co.

The gas lines between Chardon St. and Sudbury St. on Portland St. are abandoned. Sudbury St. gas lines between Bowker and Friend Sts. are abandoned. The gas lines in Haymarket Square will be abandoned after relocation in New Sudbury St. and around the east end of proposed garage to New Chardon St.

N. E. Telephone & Telegraph Co.

Conduit in Haymarket Sq., Portland St. between Sudbury St. and Merrimac St. cannot be removed until new conduits are installed in New Chardon St. Existing conduits in Sudbury St. will be removed after new conduits have been installed in New Congress St. and New Sudbury St. to MH 200 in Haymarket Sq. probably in August 1963.

Boston Edison Co.

The electrical installations can be removed or abandoned thirty days after the last service to the facilities in the following streets has been discontinued within the parcel; Portland St., Sudbury St., and Friend St. Before the status of lines in Haymarket Sq. can be determined, the Boston Edison Co. will need more data concerning the location of the Parking Garage.

City of Boston Water

Low Service in Haymarket Sq. can be abandoned subject to demolition and relocation in Merrimac St. Water Supply to the M.T.A. Haymarket Sq. Station must also be maintained. The water line in Portland St. is closed.



Parcel 4 (cont.)

City of Boston Sewer

Sewer lines in Portland St. between Sudbury and Merrimac Sts. can be abandoned. The sewer line in Sudbury St. between Portland St. and Friend St. can be abandoned subject to demolition of buildings. Lines in Haymarket Sq. are subject to building of proposed lines in Merrimac St. Sanitary sewer connection for Haymarket Sq. M.T.A. station needs investigation.

PARCEL 5

FEDERAL OFFICE BUILDING

Construction began on this building with ground breaking ceremonies held July 8, 1963. All utilities have been cleared for construction.

Gas lines are fully abandoned and purged. Sewer and water is abandoned except a small sanitary connection from the Scollay Square M.T.A. station that empties into the Portland St. sewer. This problem is being resolved by the City of Boston and the M.T.A.

The Boston Edison Co. conduit is fully abandoned.

The N. E. Tel. & Tel. Co. conduit is clear of this site except for existing conduit that is located across the southeast corner of the parcel in Washington St. It is anticipated that this line will be abandoned by August 15, 1963.

PARCEL 6

BOSTON CITY HALL

It is anticipated that all utilities except Boston Edison Co. conduits will be cleared of this site by August 15, 1963.

Boston Gas. Co.

All gas lines have been abandoned on this site.

N. E. Telephone & Telegraph Co.

Present construction of proposed ducts in New Congress St. indicate that all telephone conduits will be clear of this site by August 15, 1963.

and that the visual cortex in the macaque is much more involved in visual control of self than in controlling the self. In addition, the visual functions of the self control are also involved in the control of the self, and the self control is also involved in the self control. The visual control of the self is also involved in the self control, and the self control is also involved in the self control.

## Results

### Visual self control

Visual self control is a process in which the visual system is used to control the self. The visual system is used to control the self, and the visual system is used to control the self.

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## Discussion

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Parcel 6 (cont.)

Boston Edison Co.

The following streets should be clear of electric installations by August 15, 1963; Brattle Sq., Brattle St. from Adams Sq. to Brattle Sq.; Franklin Ave. from Cornhill to Brattle St; and Elm St. from Hanover St. to Dock Sq. (M.H. #717). The electrical installations can be removed or abandoned thirty days after the last service to facilities, including street lights, has been discontinued on Washington St. and Adams Sq.

City of Boston Water

The Low Service pipe between Adams Sq. and Haymarket Sq. is dead.

The High Service lines in Elm St. and Brattle Sq. are abandoned. The remaining lines in Cornhill and Washington St. can be closed subject to orders from the City of Boston Water Dept.

The High Pressure Fire Service is abandoned in Brattle St., Brattle Sq., and Elm St. between Hanover St. and Washington St. The lines in Washington St. between Adams Sq. and Elm St. and Elm St. between Washington St. and Dock Sq. can be closed following demolition of buildings.

City of Boston Sewer

The sewer lines in the following streets are abandoned; Brattle St., Brattle Sq., Washington St. between Brattle St. and Hanover St., and Elm St. between Hanover St. and Washington St. The line in Elm St. between Washington St. and Dock Sq. will remain as a temporary outlet for the Washington Subway sump well pump until the proposed sewers are built in New Congress St.

Western Union Telegraph Co.

Lines in Washington St., Adams Sq. and Elm St. are abandoned.

Boston Low Tension Wire Associates

Low Tension conduit in Brattle Sq., Elm St. and Washington St. is abandoned.



PARCEL 7

MOTEL

The construction date for the Motel is considered to be about June 1964. A majority of the utilities to clear this parcel are in Union St. between Hanover St. and Haymarket Sq. Within this section of street, the N. E. Tel. & Tel. Co. has definite plans to abandon their conduit by July 1964. Other utilities are dependent on demolition of buildings and the closing of traffic to Union St.

Boston Gas Co.

The gas lines in Washington St. are abandoned. About 100 feet of gas line in Friend St. running from Dock Sq. will be abandoned subject to demolition of the one existing building at that intersection. The gas line in Union St. between Haymarket Sq. and Hanover St. is abandoned.

N. E. Tel. & Tel. Co.

The Telephone Co. has plans to remove their Union St. installation starting in April 1964. Construction time is estimated for ninety days. The Telephone Co. will need a six months' notice if it is necessary to start construction before April. Union St. will be abandoned of conduit between M.H. #110 in Dock Sq. to M.H. #200 in Haymarket Sq. The conduit running in from Dock Sq. along Franklin St. is abandoned.

Boston Edison Co.

Conduit in Friend from Union St. to Hanover St. is abandoned. The conduit in Union St. between Hanover St. and Haymarket Sq. will be abandoned subject to demolition, removal of services and relocation in New Congress St. A short conduit line in Washington St. between Parcel 7 and Hanover St. will be abandoned thirty days after the last service is broken.

City of Boston Water

Low Service. The water pipe line in Friend St., open from Dock Sq. only, can be closed when service is no longer required on the street. The line in Washington St. between Hanover St. and Haymarket Sq. is dead. The line in Union St. between Hanover St. and Haymarket Sq. can be closed after demolition is completed. The existing water supply to the Union-Friend M.T.A. Station must be investigated.

High Service. There is no existing high service line within Parcel 7.

High Pressure Fire Service. The line in Union St. between Hanover St. and Haymarket Sq. can be abandoned subject to demolition and the relocation of any line that may supply the M.T.A. at Union-Friend Station.

and the importance of the role of the state in the economy. Thus, the state is not only the main source of capital accumulation, but also the main source of technological progress. The state is also the main source of political power, which is used to maintain the status quo and to prevent social unrest. The state is also the main source of political power, which is used to maintain the status quo and to prevent social unrest.

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Parcel 7 (cont.)

City of Boston Sewer

The sewer line in Union St. between Hanover St. and Haymarket Sq. can be abandoned subject to demolition of existing buildings. The sewer line in Friend St. between Dock Sq. and Hanover St. can be abandoned.

PARCEL 8A

It appears unrealistic at this time to consider April 1964 as a construction date for parcel 8A. Because the alignment of New Congress St. is questionable and the proposed building plans are uncertain, the private utility companies do not have plans for abandonment of service or relocation of major supply lines.

The abandonment of utilities will require a demolition program for existing buildings 1, 2, 3, 4 and 5 in Blcok 95. The relocation of an 18-inch gas main in Devonshire St. will require study to find a new location. An M.T.A. power supply cable in Devonshire St. will be abandoned after the closing down of the Tremont St. tunnel in Adams Sq. Future sewer and water lines are proposed to bypass this parcel.

PARCEL 9

Clearance of this parcel is dependent on the demolition of buildings 1, 2, 3, 4 and 5 in Block #140. The relocation of utilities in Cornhill are part of the Plaza design and the final design of the underground service road.

PARCEL 10

Clearance of this parcel is dependent on the demolition of buildings 2 and 3, Block #141.



PARCEL 11

CITY HALL PLAZA

The opening date for construction appears to be about January 1965. By this date all existing utilities should have been abandoned or the utility companies should have acceptable plans to relocated.

Boston Gas Co.

The gas pipe lines in Hanover St. between Scollay Sq. and Washington St. are abandoned. The gas line in Brattle St. is abandoned. The disposition of the line in Cornhill is subject to future supply for the buildings to be serviced along Cornhill.

N. E. Telephone & Telegraph Co.

The telephone conduits in Hanover St. from Scollay Sq. to Washington St. are abandoned. Conduits in Brattle St. are abandoned. Conduits in Washington St. in vicinity of the new M.T.A. tunnel will be abandoned after August 15, 1963.

Boston Edison Co.

There are no electric conduits in Brattle St. from Brattle Sq. to Cambridge St. The remainder of Brattle St. will be clear by August 15, 1963. The conduits in Hanover St. from Cambridge St. to Washington St. can be removed within thirty days after the last service in the street has been discontinued. The disposition of existing conduits in Cornhill are subject to future service and the final design of the proposed underground service road.

City of Boston Water

Low Service water on Hanover St. between Portland St. and Washington St. is dead.

High Service water in Hanover St. and Cornhill can be closed when desired by the Boston Water Dept. High Service in Brattle St. is dead.

High Pressure Fire Service in Hanover St. and Brattle St. is dead.

City of Boston Sewer

Sewer lines in Hanover St. and Brattle St. are abandoned. The sewer line in Cornhill will be replaced subject to final design of the underground service road.

Boston Low Tension Wire Associates

A low tension conduit in Franklin Ave. crossing Cornhill and Brattle St. is abandoned.

from which extensive and varied geographical areas of  
various aridized and semi-arid areas of the world are  
represented. The following table gives the approximate  
percentage of the world's arid and semi-arid areas  
represented in the collection.

It is evident from the table that the collection is not  
representative of the world's arid and semi-arid areas  
in the sense that the areas of the world's arid and  
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PARCEL 12

ONE CENTER PLAZA

It is planned that this building and underground garage will be built in three stages. Stage 1 includes Howard St. between Somerset St. and Cambridge St. and Stoddard St.

Gas lines and telephone conduits are abandoned in Stoddard St. and Howard St. The Edison Conduits will be removed from Stoddard St. and Howard St. by August 15, 1963. Existing water and sewer in Howard St. and Stoddard St. are being relocated into Somerset St. and Cambridge St. It is expected that construction of these proposed utilities will be completed and the Stage 1 parcel will be cleared by August 30, 1963.

PARCEL 13

It is assumed this parcel will be located at the south-east corner of Canal St. There are no existing utilities to be abandoned, clearance is subject to the demolition of the Boston Relief Station Building.

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PARCEL 1

A Schedule of Staging the Removal or Abandonment of Existing Utility Lines to Clear the State Complex Area

In staging the abandonment of existing utilities, their schedule is dependent on two major construction items, the demolition of buildings and the construction of New Chardon St.

It is assumed the opening date for construction of the State Complex is March 2, 1964.

New Chardon St.

The following is a schedule of completion dates and time of construction that might be expected in order to clear existing Chardon St. of utilities at the earliest date.

Demolition of buildings and cellar holes regraded within the New Chardon St. Layout by Sept. 30, 1963.

Block 147 (buildings 1 & 2)  
Block 126A (buildings 4, 5 & 6)  
Block 130 (building 7)  
Block 128 (buildings 3 & 4)

P.I.C. acceptance of New Chardon St. Layout and acceptance of the necessary streets by Sept. 30, 1963.

Contract Plans for street construction by Oct. 30, 1963.

Construction of New Chardon St. without paving by Nov. 30, 1963.

Construction of proposed utilities will take ten months allowing final abandonment of existing utilities by Sept. 30, 1964.

The following schedule is necessary to clear the remainder of the site of existing utilities.

Demolition of buildings and cellar holes regraded.

Block 147 (buildings 3, 4 & 5) by Oct. 15, 1963  
Block 128 (building 2) by Nov. 30, 1963  
Block 124A (building 1) by Jan. 31, 1964

One building is not scheduled, the Langone Bldg. in Block 128 (building 1) which does not affect existing utilities.

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for publications on diversity management by managers in  
their organizations and from other scholars.

Third, additional evidence for generalizability was provided by  
those that could be considered to have the most knowledge of diversity  
and inclusion issues in organizations but are probably the most  
likely to underestimate the need for diversity and inclusion strate-

#### Conclusion

After two years of intensive research on diversity and  
inclusion, one of which is by far the most well-informed by  
scholars, it is clear that diversity and inclusion are not only

1. Job Satisfaction	2. Job Satisfaction	3. Job Satisfaction
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1. Job Satisfaction	2. Job Satisfaction	3. Job Satisfaction
1. Job Satisfaction	2. Job Satisfaction	3. Job Satisfaction

the first and most critical issue in organizational diversity and  
inclusion, but also the second most critical issue in diversity and  
inclusion. The third issue is the relationship between diversity and  
inclusion, which is the most critical issue in diversity and  
inclusion.

However, the first and most critical issue in diversity and  
inclusion is the relationship between diversity and inclusion.  
The second issue is the relationship between diversity and  
inclusion.

Finally, the third issue is the relationship between diversity and  
inclusion.

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#### Conclusion

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inclusion.

Parcel 1 (cont.)

Discontinue and close the following streets to public traffic by Jan. 31, 1964. Norman St., Hale St., Pitts St., South Margin St. and Green St. Abandonment of Edison conduit can be expected thirty days later.

A schedule for abandoning existing utilities can be arranged as follows:

Boston Gas Co.

Pitts St. by Oct. 15, 1963  
Green St. by Oct. 15, 1963  
Norman St. by Feb. 15, 1963<sup>4</sup>  
Chardon St. by Sept. 30, 1964

N. E. Tel. & Tel. Co.

Green St. by Nov. 30, 1963<sup>4,3</sup>  
Chardon St. by July 30, 1964

Boston Edison Co.

Pitts St. (Green St. to South Margin St.) and  
Green St. (Hale St. to Chardon St.) by Oct. 30, 1963  
South Margin St., Norman St., Hale St., Pitts St.,  
and Green St. by February 29, 1964  
Chardon St. by Sept. 15, 1964

City of Boston Water and Sewer

South Margin St., Norman St., Hale St., Pitts St.  
and Green St. All city utilities can be closed or  
abandoned by February 29, 1964. The sewer lines,  
Low Service and High Service water pipes on Pitts  
St. and Green St. within the New Chardon St. layout  
can be closed or abandoned by Oct. 30, 1963.

Metropolitan Transit Authority

An electric cable that exists in Green St. will be  
relocated in Staniford St. A contract has been  
let for this work and it is expected the Green St.  
cable will be abandoned by Sept. 15, 1963.





F 5395

Reference

S. Staging Plan of Removal

Government Center

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